



## SEQUENCE LISTING

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<120> METHODS FOR DIAGNOSING AND EVALUATING CANCER

<130> 100086.407C11

<140> US 10/759,507  
<141> 2004-01-16

<150> 09/234,395  
<151> 1999-01-20

<150> 09/187,859  
<151> 1998-11-06

<150> 09/073,040  
<151> 1998-05-05

<160> 324

<170> PatentIn Ver. 2.0

<210> 1  
<211> 5  
<212> PRT  
<213> Unknown

<220>  
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<222> (2)  
<223> Where Xaa is any amino acid

<220>  
<223> Description of Unknown Organism: Calcium Binding  
Motif in Extracellular domains of Classical  
Cadherins

<400> 1  
Asp Xaa Asn Asp Asn  
1 5

<210> 2  
<211> 4  
<212> PRT  
<213> Unknown

<220>  
<223> Description of Unknown Organism: Calcium Binding  
Motif in Extracellular domains of Classical  
Cadherins

<400> 2  
Leu Asp Arg Glu  
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<210> 3

<211> 9  
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 Synthesis based on Human OB-Cadherin

<400> 3  
 Ile Phe Val Ile Asp Asp Lys Ser Gly  
 1 5

<210> 4  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

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 Gly Trp Val Trp Asn Gln Phe Phe Val Ile Glu Glu Tyr Thr Gly Pro  
 1 5 10 15  
 Asp Pro Val Leu Val Gly Arg Leu His Ser Asp Ile Asp Ser Gly Asp  
 20 25 30  
 Gly Asn Ile Lys Tyr Ile Leu Ser Gly Glu Gly Ala Gly Thr Ile Phe  
 35 40 45  
 Val Ile Asp Asp Lys Ser Gly Asn Ile His Ala Thr Lys Thr Leu Asp  
 50 55 60  
 Arg Glu Glu Arg Ala Gln Tyr Thr Leu Met Ala Gln Ala Val Asp Arg  
 65 70 75 80  
 Asp Thr Asn Arg Pro Leu Glu Pro Pro Ser Glu Phe Ile Val Lys Val  
 85 90 95  
 Gln Asp Ile Asn Asp Asn Pro Pro Glu Phe  
 100 105

<210> 5  
 <211> 106  
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 <213> Mus musculus

<400> 5  
 Gly Trp Val Trp Asn Gln Phe Phe Val Ile Glu Glu Tyr Thr Gly Pro  
 1 5 10 15  
 Asp Pro Val Leu Val Gly Arg Leu His Ser Asp Ile Asp Ser Gly Asp  
 20 25 30  
 Gly Asn Ile Lys Tyr Ile Leu Ser Gly Glu Gly Ala Gly Thr Ile Phe  
 35 40 45  
 Val Ile Asp Asp Lys Ser Gly Asn Ile His Ala Thr Lys Thr Leu Asp  
 50 55 60  
 Arg Glu Glu Arg Ala Gln Tyr Thr Leu Met Ala Gln Ala Val Asp Arg  
 65 70 75 80  
 Asp Thr Asn Arg Pro Leu Glu Pro Pro Ser Glu Phe Ile Val Lys Val

85 90 95  
 Gln Asp Ile Asn Asp Asn Pro Pro Glu Phe  
 100 105  
 <210> 6  
 <211> 108  
 <212> PRT  
 <213> Homo sapiens  
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 Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro  
 1 5 10 15  
 Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu  
 20 25 30  
 Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr  
 35 40 45  
 Gly Ile Phe Ile Leu Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys  
 50 55 60  
 Pro Leu Asp Arg Glu Gln Ile Ala Arg Phe His Leu Arg Ala His Ala  
 65 70 75 80  
 Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile  
 85 90 95  
 Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe  
 100 105

<210> 7  
 <211> 108  
 <212> PRT  
 <213> Mus musculus

<400> 7  
 Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro  
 1 5 10 15  
 Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu  
 20 25 30  
 Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr  
 35 40 45  
 Gly Ile Phe Ile Ile Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys  
 50 55 60  
 Pro Leu Asp Arg Glu Leu Ile Ala Arg Phe His Leu Arg Ala His Ala  
 65 70 75 80  
 Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile

85 90 95  
 Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe  
 100 105  
  
 <210> 8  
 <211> 108  
 <212> PRT  
 <213> Bos taurus  
  
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 Asp Trp Val Ile Pro Pro Ile Asn Leu Pro Glu Asn Ser Arg Gly Pro  
 1 5 10 15  
 Phe Pro Gln Glu Leu Val Arg Ile Arg Ser Asp Arg Asp Lys Asn Leu  
 20 25 30  
 Ser Leu Arg Tyr Ser Val Thr Gly Pro Gly Ala Asp Gln Pro Pro Thr  
 35 40 45  
 Gly Ile Phe Ile Ile Asn Pro Ile Ser Gly Gln Leu Ser Val Thr Lys  
 50 55 60  
 Pro Leu Asp Arg Glu Leu Ile Ala Arg Phe His Leu Arg Ala His Ala  
 65 70 75 80  
 Val Asp Ile Asn Gly Asn Gln Val Glu Asn Pro Ile Asp Ile Val Ile  
 85 90 95  
 Asn Val Ile Asp Met Asn Asp Asn Arg Pro Glu Phe  
 100 105  
  
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 Synthesis based on Human OB-Cadherin  
  
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 <222> (1)  
 <223> ACETYLTATION  
  
 <220>  
 <221> MOD\_RES  
 <222> (9)  
 <223> AMIDATION  
  
 <400> 9  
 Ile Phe Val Ile Asp Asp Lys Ser Gly  
 1 5

<210> 10  
 <211> 9  
 <212> PRT  
 <213> Unknown

<220>  
 <223> Description of Unknown Organism: Consensus Cell  
 Adhesion Recognition Sequence in an OB-Cadherin

<220>  
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 <222> (1)  
 <223> Where Xaa is and independently selected amino acid

<220>  
 <221> MOD\_RES  
 <222> (3)  
 <223> Where Xaa is either Valine of Serine

<220>  
 <221> MOD\_RES  
 <222> (4)  
 <223> Where Xaa is either Isoleucine or Valine

<220>  
 <221> MOD\_RES  
 <222> (5)  
 <223> Where Xaa is either Aspartate or Glutamate

<220>  
 <221> MOD\_RES  
 <222> (6)  
 <223> Where Xaa is an Independently selected amino acid

<220>  
 <221> MOD\_RES  
 <222> (7)  
 <223> Where Xaa is an independently selected amino acid

<220>  
 <221> MOD\_RES  
 <222> (8)  
 <223> Where Xaa is either Serine or Threonine

<400> 10  
 Xaa Phe Xaa Xaa Xaa Xaa Xaa Gly  
   1                  5

<210> 11  
 <211> 4  
 <212> PRT  
 <213> Artificial Sequence

<220>  
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Synthesis based on Human OB-Cadherin

<400> 11  
Ile Asp Asp Lys  
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<210> 12  
<211> 4  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Product of  
Synthesis based on Human OB-Cadherin

<400> 12  
Asp Asp Lys Ser  
1

<210> 13  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Product of  
Synthesis based on Human OB-Cadherin

<400> 13  
Val Ile Asp Asp Lys  
1 5

<210> 14  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Product of  
Synthesis based on Human OB-Cadherin

<400> 14  
Ile Asp Asp Lys Ser  
1 5

<210> 15  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Product of  
Synthesis based on Human OB-Cadherin

<400> 15  
Val Ile Asp Asp Lys Ser  
1 5

<210> 16  
<211> 5  
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
Synthesis based on Human OB-Cadherin

<400> 16

Asp Asp Lys Ser Gly  
1 5

<210> 17

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
Synthesis based on Human OB-Cadherin

<400> 17

Ile Asp Asp Lys Ser Gly  
1 5

<210> 18

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
Synthesis based on Human OB-Cadherin

<400> 18

Val Ile Asp Asp Lys Ser Gly  
1 5

<210> 19

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
Synthesis based on Human OB-Cadherin

<400> 19

Phe Val Ile Asp Asp Lys  
1 5

<210> 20

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
Synthesis based on Human OB-Cadherin

<400> 20

Phe Val Ile Asp Asp Lys Ser  
1 5

<210> 21  
 <211> 8  
 <212> PRT  
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<220>  
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 Synthesis based on Human OB-Cadherin

<400> 21  
 Phe Val Ile Asp Asp Lys Ser Gly  
 1 5

<210> 22  
 <211> 7  
 <212> PRT  
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<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 22  
 Ile Phe Val Ile Asp Asp Lys  
 1 5

<210> 23  
 <211> 8  
 <212> PRT  
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<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 23  
 Ile Phe Val Ile Asp Asp Lys Ser  
 1 5

<210> 24  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 24  
 Ile Phe Val Ile Asp Asp Lys Ser Gly  
 1 5

<210> 25  
 <211> 4  
 <212> PRT  
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<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin



<400> 25  
 Ile Glu Glu Tyr  
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<210> 26  
 <211> 4  
 <212> PRT  
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<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 26  
 Glu Glu Tyr Thr  
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<210> 27  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 27  
 Val Ile Glu Glu Tyr  
 1 5

<210> 28  
 <211> 5  
 <212> PRT  
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<220>  
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 Synthesis based on Human OB-Cadherin

<400> 28  
 Ile Glu Glu Tyr Thr  
 1 5

<210> 29  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 29  
 Val Ile Glu Glu Tyr Thr  
 1 5

<210> 30  
 <211> 5  
 <212> PRT  
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<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 30  
 Glu Glu Tyr Thr Gly  
 1 5

<210> 31  
 <211> 6  
 <212> PRT  
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<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 31  
 Ile Glu Glu Tyr Thr Gly  
 1 5

<210> 32  
 <211> 7  
 <212> PRT  
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<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 32  
 Val Ile Glu Glu Tyr Thr Gly  
 1 5

<210> 33  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 33  
 Phe Val Ile Glu Glu Tyr  
 1 5

<210> 34  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 34  
 Phe Val Ile Glu Glu Tyr Thr  
 1 5

<210> 35  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 35  
 Phe Val Ile Glu Glu Tyr Thr Gly  
 1 5

<210> 36  
 <211> 7  
 <212> PRT  
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<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 36  
 Phe Phe Val Ile Glu Glu Tyr  
 1 5

<210> 37  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 37  
 Phe Phe Val Ile Glu Glu Tyr Thr  
 1 5

<210> 38  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 38  
 Phe Phe Val Ile Glu Glu Tyr Thr Gly  
 1 5

<210> 39  
 <211> 4  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 39  
Val Glu Ala Gln  
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<210> 40  
<211> 4  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Product of  
Synthesis based on Human OB-Cadherin

<400> 40  
Glu Ala Gln Thr  
1

<210> 41  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Product of  
Synthesis based on Human OB-Cadherin

<400> 41  
Ser Val Glu Ala Gln  
1 5

<210> 42  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Product of  
Synthesis based on Human OB-Cadherin

<400> 42  
Val Glu Ala Gln Thr  
1 5

<210> 43  
<211> 6  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Product of  
Synthesis based on Human OB-Cadherin

<400> 43  
Ser Val Glu Ala Gln Thr  
1 5

<210> 44  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 44  
 Glu Ala Gln Thr Gly  
       1                  5

<210> 45  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 45  
 Val Glu Ala Gln Thr Gly  
       1                  5

<210> 46  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 46  
 Ser Val Glu Ala Gln Thr Gly  
       1                  5

<210> 47  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
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 Synthesis based on Human OB-Cadherin

<400> 47  
 Phe Ser Val Glu Ala Gln  
       1                  5

<210> 48  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
 Synthesis based on Human OB-Cadherin

<400> 48  
 Phe Ser Val Glu Ala Gln Thr  
       1                  5

<210> 49

<211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Product of  
         Synthesis based on Human OB-Cadherin  
  
 <400> 49  
 Phe Ser Val Glu Ala Gln Thr Gly  
   1                  5  
  
 <210> 50  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence  
  
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         Synthesis based on Human OB-Cadherin  
  
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 Tyr Phe Ser Val Glu Ala Gln  
   1                  5  
  
 <210> 51  
 <211> 8  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Product of  
         Synthesis based on Human OB-Cadherin  
  
 <400> 51  
 Tyr Phe Ser Val Glu Ala Gln Thr  
   1                  5  
  
 <210> 52  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
 <223> Description of Artificial Sequence: Product of  
         Synthesis based on Human OB-Cadherin  
  
 <400> 52  
 Tyr Phe Ser Val Glu Ala Gln Thr Gly  
   1                  5  
  
 <210> 53  
 <211> 9  
 <212> PRT  
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 <223> Description of Artificial Sequence: Product of  
         Synthesis based on Human OB-Cadherin

<220>  
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 <222> (1)  
 <223> ACETYLATION

<220>  
 <221> MOD\_RES  
 <222> (9)  
 <223> AMIDATION

<400> 53  
 Phe Phe Val Ile Glu Glu Tyr Thr Gly  
     1                    5

<210> 54  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence

<220>  
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       Synthesis based on Human OB-Cadherin

<220>  
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 <222> (1)  
 <223> ACETYLATION

<220>  
 <221> MOD\_RES  
 <222> (9)  
 <223> AMIDATION

<400> 54  
 Tyr Phe Ser Val Glu Ala Gln Thr Gly  
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<210> 55  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
       Synthesis and Cyclization based on Human  
       OB-Cadherin

<220>  
 <223> Cyclic Peptide

<400> 55  
 Cys Asp Asp Lys Cys  
     1                    5

<210> 56  
 <211> 6  
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
Synthesis and Cyclization based on Human  
OB-Cadherin

<220>

<223> Cyclic Peptide

<400> 56

Cys Ile Asp Asp Lys Cys  
1 5

<210> 57

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
Synthesis and Cyclization based on Human  
OB-Cadherin

<220>

<223> Cyclic Peptide

<400> 57

Cys Asp Asp Lys Ser Cys  
1 5

<210> 58

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
Synthesis and Cyclization based on Human  
OB-Cadherin

<220>

<223> Cyclic Peptide

<400> 58

Cys Val Ile Asp Asp Lys Cys  
1 5

<210> 59

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
Synthesis and Cyclization based on Human  
OB-Cadherin



<220>  
<223> Cyclic Peptide

<400> 59  
Cys Ile Asp Asp Lys Ser Cys  
1 5

<210> 60  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Product of  
Synthesis and Cyclization based on Human  
OB-Cadherin

<220>  
<223> Cyclic Peptide

<400> 60  
Cys Val Ile Asp Asp Lys Ser Cys  
1 5

<210> 61  
<211> 7  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Product of  
Synthesis and Cyclization based on Human  
OB-Cadherin

<220>  
<223> Cyclic Peptide

<400> 61  
Cys Asp Asp Lys Ser Gly Cys  
1 5

<210> 62  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Product of  
Synthesis and Cyclization based on Human  
OB-Cadherin

<220>  
<223> Cyclic Peptide

<400> 62  
Cys Ile Asp Asp Lys Ser Gly Cys  
1 5

<210> 63  
 <211> 9  
 <212> PRT  
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 <220>  
 <223> Description of Artificial Sequence: Product of  
         Synthesis and Cyclization based on Human  
         OB-Cadherin  
  
 <220>  
 <223> Cyclic Peptide  
  
 <400> 63  
 Cys Val Ile Asp Asp Lys Ser Gly Cys  
   1                  5  
  
  
 <210> 64  
 <211> 8  
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 <220>  
 <223> Description of Artificial Sequence: Product of  
         Synthesis and Cyclization based on Human  
         OB-Cadherin  
  
 <220>  
 <223> Cyclic Peptide  
  
 <400> 64  
 Cys Phe Val Ile Asp Asp Lys Cys  
   1                  5  
  
  
 <210> 65  
 <211> 9  
 <212> PRT  
 <213> Artificial Sequence  
  
 <220>  
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         Synthesis and Cyclization based on Human  
         OB-Cadherin  
  
 <220>  
 <223> Cyclic Peptide  
  
 <400> 65  
 Cys Phe Val Ile Asp Asp Lys Ser Cys  
   1                  5  
  
  
 <210> 66  
 <211> 10  
 <212> PRT  
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 <220>

<223> Description of Artificial Sequence: Product of  
Synthesis and Cyclization based on Human  
OB-Cadherin

<220>

<223> Cyclic Peptide

<400> 66

Cys Phe Val Ile Asp Asp Lys Ser Gly Cys  
1 5 10

<210> 67

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
Synthesis and Cyclization based on Human  
OB-Cadherin

<220>

<223> Cyclic Peptide

<400> 67

Cys Ile Phe Val Ile Asp Asp Lys Cys  
1 5

<210> 68

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
Synthesis and Cyclization based on Human  
OB-Cadherin

<220>

<223> Cyclic Peptide

<400> 68

Cys Ile Phe Val Ile Asp Asp Lys Ser Cys  
1 5 10

<210> 69

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Product of  
Synthesis and Cyclization based on Human  
OB-Cadherin

<220>

<223> Cyclic Peptide

<400> 69  
 Cys Ile Phe Val Ile Asp Asp Lys Ser Gly Cys  
           1                  5                  10

<210> 70  
 <211> 5  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
           Synthesis and Cyclization based on Human  
           OB-Cadherin

<220>  
 <223> Cyclic Peptide

<400> 70  
 Asp Asp Asp Lys Lys  
           1                  5

<210> 71  
 <211> 6  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
           Synthesis and Cyclization based on Human  
           OB-Cadherin

<220>  
 <223> Cyclic Peptide

<400> 71  
 Asp Ile Asp Asp Lys Lys  
           1                  5

<210> 72  
 <211> 7  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Product of  
           Synthesis and Cyclization based on Human  
           OB-Cadherin

<220>  
 <223> Cyclic Peptide

<400> 72  
 Asp Val Ile Asp Asp Lys Lys  
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<210> 73  
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## OB-Cadherin

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Lys Val Ile Asp Asp Lys Glu  
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Lys Asp Asp Lys Ser Gly Glu



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Lys Val Ile Asp Asp Lys Ser Gly Glu

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## OB-Cadherin

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## OB-Cadherin

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## N-Cadherin

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&lt;400&gt; 310

Asp His Ala Val Lys

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N-Cadherin

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Lys His Ala Val Glu

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Ala His Ala Val Asp Ile

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19